

# Pressure Transmitters 261

The new, compact transmitter class within the 2600T series



- Compact and corrosion resistant stainless steel housing
- Maintenance free due to ABB's reliable well-proven sensor technology
- Easy operation and set up via the user friendly graphic display
- Wide choice of process connections to meet nearly every installation
- Designed to meet both CIP and SIP applications

ABB Instrumentation



# Rugged exterior – sophisticated heart

## Focus on essential features



The development of the new high-quality but cost-effective 261 transmitter is the result of our uncompromising focus on pressure and level measurement. The 261 series meet the latest process requirements, e.g.

- Standard 4 to 20 mA output with HART communication
- Base Accuracy: 0.15% of calibrated span
- Excellent corrosion resistance
- Wide range of connections to suit industry specific applications
- Conforms to SIL2 according to IEC 61508 / IEC 61511

### ■ Convincing performance for challenging applications – maintenance-free sensors

Cost effective sensors designed to measure a wide range of pressure applications. Well proven draft and high pressure ranges for gauge and absolute measurement.

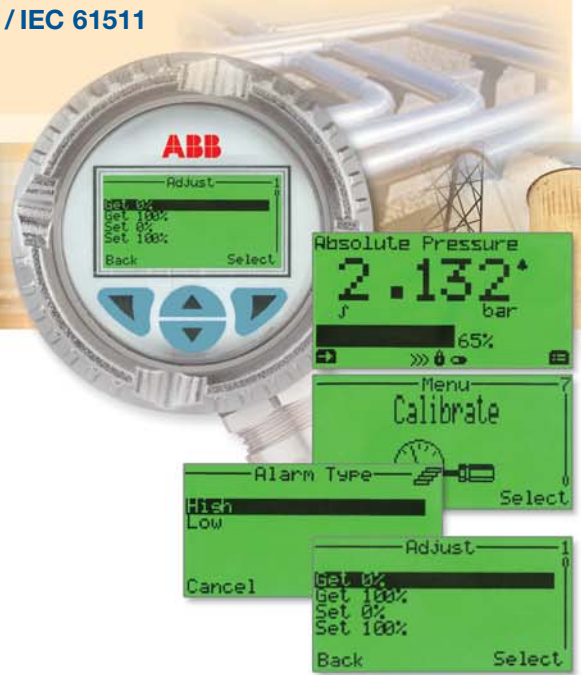
### ■ Full 316 Stainless steel body construction for harsh environments

The compact, robust transmitter housing is made of 316 stainless steel as a standard. Due to its high corrosion resistance it can be used in a wide variety of process and ambient conditions.

### ■ High flexibility for demanding processes – wide choice of process connections

The wide range of available process connections meets special industrial requirements:

- Threaded connections: e.g. for power, pulp/paper, or oil and gas applications
- Flange connections: e.g. for chemical applications
- Hygienic connections: e.g. for pharmaceutical or food and beverages applications
- Remote seals to meet high temperature requirements.



### ■ Unique ease of operation – innovative graphics display

The user friendly display allows simple and intuitive transmitter operation.

The transmitter can interface with ABB's device management software solution. This Asset Master package allows configuration, diagnostic support and asset management of the transmitter.

The transmitter provides local zero and span adjustments without the requirement for a local display.

### ■ Certified quality meeting national requirements – diversity of approvals/certificates

Various national and international approvals and certificates – e.g. EHEDG, CSA, FM, and ATEX.

# A fit for all industries – with the ability to serve special applications

## 1 Oil and Gas

NACE-certified materials  
Stainless steel housing  
Protection to IP67 / NEMA 4x

## 2 Food, Beverage and 3 Pharmaceutical

Flush diaphragms, no dead space  
CIP/SIP  
EHEDG-, 3A-certified  
FDA-approved filling fluids

## 4 Chemical

Intrinsically safe  
Various corrosion-resistant materials  
Remote seal options

## 5 Power

High over pressure protection  
HAN 8U / HAN 7D connector

## 6 Pulp and Paper

Front bonded diaphragm



### Pressure transmitter 261 overview

Type	261GS/AS 261GN/AN	261GC/AC 261GM/AM	261GG/AG	261GR/AR 261GJ/AJ
Measurement	gauge/absolute pressure, level			
Housing	stainless steel, optional with indicator			
Electr. connection	M16x1.5, 1/2-14 NPT or M20x1.5 cable gland, Han 8U Harting connector, miniature connector			
Process connection	Threaded connections - G1/2 B - 1/2-14 NPT male/female - front bonded G1/2 to G1 1/2 - for ball valve connection	DIN/ASME flanges with flush/extended diaphragms	Hygienic connections DIN 11851 Triclamp SMS RJT Varivent Biocontrol	Remote seal variants DIN/ASME flanges with flush/extended diaphragms in-line remote seals
Measuring ranges	0.3 kPa to 60 MPa 1.2 in H <sub>2</sub> O to 8700 psi			
Output	SMART electronics, 4 to 20 mA / HART Protocol			

ABB is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 104,000 people.

[www.abb.com/instrumentation](http://www.abb.com/instrumentation)

The Company's policy is one of continuous product improvement and the right is reserved to modify the information contained herein without notice.

Printed in Germany (04.2007)

© ABB 2007



**Germany**

ABB Automation  
Products GmbH  
Borsigstr. 2  
63755 Alzenau  
Tel: +49 551 905 534  
Fax: +49 551 905 555

**UK**

ABB Limited  
Oldends Lane  
Stonehouse  
Gloucestershire GL10 3TA  
Tel: +44 1453 826 661  
Fax: +44 1453 829 671

**Italy**

ABB Sace S.p.A.  
Via Statale 113  
22016 Lenno (CO)  
Tel: +39 0344 58111  
Fax: +39 0344 56278

**USA**

ABB Inc  
Automation Technology  
Products  
125 E. County Line Rd  
Warminster PA 18974-4995  
Tel: +1 215 674 6000  
Fax: +1 215 674 7183

**China**

ABB (China) Ltd.  
35th floor, Raffles City  
(Office Tower)  
268 Xizang Zhong Lu  
Shanghai, 200001  
Tel: +86 (0) 21 6122 8888  
Fax: +86 (0) 21 6122 8892